

# GSM Emergency Alarm System



## User Manual

### ***Profile***

For a better understanding of this product, please read this user manual thoroughly before using it.

## **I. Features**

1. Adopt GSM 850/900/1800/1900 bands, can be used all over the world.
2. Can per-set 5 phone numbers: when there is an alarm, it will call these numbers in order.
3. Can per-set 5 SMS numbers: when there is an alarm, it will send SMS to these numbers.
4. Maximum 30 wireless sensors including wireless panic button or remote controllers, etc.
5. 2 wired ports to connect wired sensors.
6. The SMS content of the first 5 wireless sensors can be edited by users.
7. Support remote listen in and two-way communication (connect an external speaker).
8. SMS alert for power failure or recovery.
9. Built-in backup rechargeable battery to keep working after power off.

## **II. Preparation before use**

### **1. Insert SIM card in alarm system**

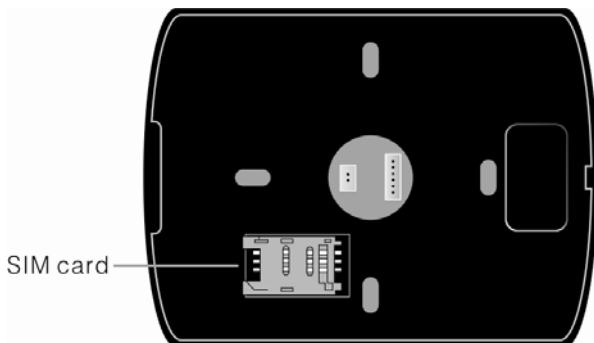
Before inserting SIM card, please make sure:

---Use a regular mobile phone to set PIN code request to off

---Delete all stored numbers

---Make sure there's enough balance in the card to work normally

Open the outside case of the alarm system and put the SIM card into the card slot (see picture).



## 2. Connect all devices needed

- a. Connect the alarm siren (optional)
- b. Connect the two-way intercom speaker (optional)
- c. Connect wired sensors (optional)

## 3. Power

Plug in the power adaptor and turn on the backup battery switch. The LED indicator will flash and the unit starts checking the GSM network.

## 4. Do the needed settings (check Part “System Settings” in detail).

# III. Host

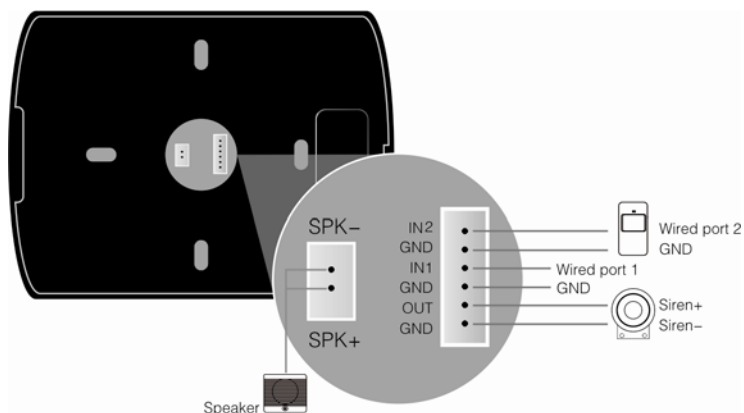
## 1. LED status explanation

LED	LED Status	System working status
POWER	ON (it can also be set as off)	power supply is normal

STATUS	Red (flash quickly)	Check SIM card and search GSM network
	Red (flash every 3 seconds)	SIM card and GSM signal are normal
	Red	In coding status: wait to set sensors
	Green	In arm status
	Green (flash quickly)	Sensor is set successfully
	Red and Green flash alternately	Receive correct setting SMS
MONITOR	On	Listen in status: users can hear the voice from the scene
ALARM	On	Alarming status

## 2. Host panel





<b>SPK-</b>	<b>Negative of two-way intercom speaker (black cable)</b>
<b>SPK+</b>	<b>Positive of two-way intercom speaker (red cable)</b>
<b>IN2</b>	<b>Wired sensor</b>
<b>GND</b>	<b>GND</b>
<b>IN1</b>	<b>Wired sensor</b>
<b>GND</b>	<b>GND</b>
<b>OUT</b>	<b>Positive of siren (red cable)</b>
<b>GND</b>	<b>Negative of siren (black cable)</b>

#### IV. System Settings

This device has two passwords:

Remote control password: used for remote listen-in and two way intercom. Default: 123456

Operation password: used for system settings. Default: 888888

**Note: These two passwords could not be set as the same.**

### **1. Coding of wireless sensors**

This device supports maximum 30pcs wireless sensors. Press the [reset] button at the back side of the panel, there will be a shot beep and the STATUS LED will be on red, indicating the device enters coding status. Trigger the wireless sensor you want to code, there will be a long beep and the STATUS LED will flash in green. The sensor is set successfully.

The sensors will be numbered in consecutive order automatically according to the coding sequence. That means, the first panic button coded is No. 1, the second is No. 2, and the like. The default alarm SMS is xx Emergency ALARM (xx means the serial number of the sensor).

If the sensor quantity exceeds 30pcs, the exceeded sensor will replace the coded one from No. 1.

### **2. Exit coding**

In coding status, press [RESET] button again. Or if there's no operation within 5seconds after entering coding status, it will exit coding automatically.

### **3. Settings by call**

Users can use a mobile phone or fixed-line telephone to call the number of the host to set alarm call numbers. It can store maximum 5 numbers. After setting, the host will call these numbers when alarm. Setting method: after getting through the call, users will hear a long beep. Then press operation password (default: 888888) and #. A long beep means password is correct. Three short beeps mean password is

wrong, you need to input again. If the password is wrong for consecutive three times, the call will be hung up automatically. If there's no input within 30seconds after getting through the call, it will also be hung up automatically.

After password and #, users can do the following settings.

Table 1:

Function setting	Setting format	
Change remote control password	30#[new password]#	Password should be 6-digit. Default: 123456
Change operation password	31#[new password]#	Password should be 6-digit. Default: 888888
Alarm call number setting	[50-54]#number#	50: the 1st number, 51: the 2nd number ... 54: the 5th number Number should not exceed 20-digit.
Delete call number	[50-54]##	
Alarm SMS number setting	[55-59]#number#	55: the 1st SMS number, 56: the 2nd number ... 59: the 5th number

		Number should not exceed 20-digit.
Delete SMS number	[55-59]##	
Turn on power LED	00#1#	Default: on
Turn off power LED	00#0#	
Power failure/recovery alert	01#1# (ON)	Default: on
	01#0# (OFF)	
Alarm call circle time	02#[1-9]#	Default: 3
Siren rings when alarm	03#1#	Default: on
Siren off when alarm	03#0#	

Note:

- Power failure/ recovery alert: after activating this function, when the external power supply is off, user will receive a message “POWER DOWN”. If the power recovers after failure, the message is “POWER UP”.
- Alarm call circle time: when there’s nobody answers the alarm call, the device will call all the alarm phone numbers in circle automatically. This is to set the circle time.

#### 4. Settings by SMS

Use your mobile phone to send a message to the number of the device.

All the above settings in Table 1 can also be set by SMS. And they should begin with “operation password#”. The default password is 888888.



For example:

1. 888888#30#112233#: change the remote control password into  
112233
2. 888888#52#13412345678#: set the third alarm call number as  
13412345678
3. 888888#01#0#: turn off the function of SMS alert for power failure
4. 888888#02#5#: set the alarm call circle as 5 times.

All the following commands in Table 2 can also be set by SMS. The SMS should begin with "operation password#". The default password is 888888.

Table 2

Change alarm message of SOS button on main panel	96#message content#	Message content should not exceed 25 English letters. Default SMS: 00 Emergency ALARM.
Change alarm message of wireless panic button	[91-95]#message content#  91: the 1st wireless sensor 92: the 2nd wireless sensor	Message content should not exceed 25 English letters. Default SMS: XX Emergency ALARM. XX means the

	..... 95: the 5th wireless sensor	serial number of wireless sensor
Delete alarm message	[91-95]##	

Note: After successful setting, user will receive a SMS reply with the content of “->OK...”. If the SMS setting format is wrong, user will receive “FORMAT ERROR!”.

For example, you send “888888#96#panel alarm#”, you will receive a sms “->OK, sms message(SOS): panel alarm”.

## 5. Factory reset

Press the [RESET] button for 5 seconds until the LEDs on the panel are flashing quickly. After this operation, all the settings return to factory default.

## V. Operation Instruction

### 1. Answer alarm call

When there is an alarm, the ALARM LED on the panel will be on and the external siren (if user has connected) will ring for 3 minutes if there's no operation. Also the device will send alarm SMS to and call the preset numbers. Press DISARM button on the main panel or the remote controller, it will stop the alarm.

The alarm system will keep calling all the preset numbers in order if nobody answers the call. The default circle time is 3.

If someone answers the call, it will enter listen-in status automatically and the siren stops ringing.

Then user can press "1#" to arm,

"2#" to disarm,

"3#" to listen-in,

and "4#" to intercom (this function needs external speaker).

A long beep means correct operation and three short beeps means wrong operation.

## **2. Remote control operation**

### **Operation by remote call:**

When users are outside and want to monitor the alarm system, he can call the alarm panel. After getting through the call, user will hear a long beep. Then press remote control password (default: 123456) and # to enter listen-in status. User can hear the sound around the alarm panel. If the password is input wrong, there will be three short beeps; while a long beep means correct.

A long beep means password is correct, while three short beeps mean wrong, you need to input again. If the password is wrong for consecutive three times, the call will be hung up automatically. If there's no input within 30seconds after getting through the call, it will also be hung up automatically.

### **Operation by SMS:**

User can send sms to remotely arm or disarm the system.

Arm: remote control password (default: 123456)#1#

Disarm: remote control password (default: 123456)#2#

## **VI. Technical Parameters**

Power: DC12V/ 1.2A

Status current:  $\leq 30\text{mA}$

GSM bands: 850/ 900/ 1800/ 1900MHz

Wireless receiving frequency:  $433\text{MHz} \pm 0.5\text{MHz}$

Receiving code: ASK

Wireless distance: no obstacle 80m

Working temperature:  $+10\sim+45^{\circ}\text{C}$

Working humidity:  $\leq 90\%$

Backup battery: 7.4V/ 500mAh

## **VII. Standard Kit**

Alarm panel      1pc,

Power adaptor    1pc,

User manual      1pc.